GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER II– EXAMINATION – WINTER - 2016Subject Code: 2722312Date: 19/11/ 2016Subject Name: WIRELESS ADHOC NETWORKTotal Marks: 70Time: 2:30 pm to 5:00 pmTotal Marks: 70Instructions:1. Attempt all questions.1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks			
Q.1	(a) (b)	Explain and compare cellular network and adhoc wireless network. Explain issues in adhoc wireless network.	07 07
Q.2	(a) (b)	List various issue in designing routing protocols in Ad Hoc Wireless Networks. Explain Contention Based Protocols with Reservation Mechanism. OR	07 07
	(b)	Discuss Issues in designing a MAC Protocols for Ad Hoc Wireless Networks.	07
Q.3	(a) (b)	List Different types of MAC protocol and explain any one. Discuss Issues in designing a Multicast Protocols for Ad Hoc Wireless Networks.	07 07
0.2		OR Eveloin various AODV Bouting Protocols	07
Q.3	(a) (b)	Explain various AODV Routing Protocols. Write a short note on TCP over Ad Hoc Wireless Networks.	07 07
Q.4	(a) (b)	Explain QoS Solutions at MAC layer. Explain tree based multicast routing protocols. OR	07 07
Q.4	(a) (b)	Discuss various solutions to provide QoS in Ad Hoc Wireless Networks. Explain various power management schemes.	07 07
Q.5	(a) (b)	Explain role of energy management in Ad Hoc Wireless Networks. Write a short note on Ad Hoc Wireless Networks Security. OR	07 07
Q.5	(a) (b)	Explain QoS Solutions at Network layer. Write a short note on Network Security Attacks and Key Management.	07 07
